

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A driver of an electric compressor for driving ~~a motor~~ a dc brush-less motor,

wherein said driver operates such that an ac current having a sine-waveform is output to the dc brush-less motor,

wherein ~~which~~ said driver drives a compressing mechanism that sucks fluid, and then compresses and discharges the fluid, and

wherein said ~~the~~ driver controls the dc brush-less motor such that a current-phase of winding of the dc brush-less ~~the~~ motor is advanced ~~uniquely~~ with respect to an induction voltage-phase generated in the winding at a start of driving the compressor, and then the advancement of the current-phase is reduced.

2. (Currently Amended) The driver of claim 1, wherein said driver controls the dc brush-less motor such that the advancement of the current-phase is reduced at one of when a given length of time passes and when the dc brush-less ~~the~~ motor reaches a given revolutions per minute (rpm) rpm.

3. (Currently Amended) The driver of claim 1, wherein said driver draws instantaneous maximum torque of the dc brush-less ~~the~~ motor depending on the advancement of the current-phase of the winding.

4. (Currently Amended) The driver of claim 1, wherein the dc brush-less motor is a sensor-less dc brush-less motor which includes a stator winding and a rotor magnet, and which determines a position of the rotor magnet by detecting a current flowing through the stator winding ~~switches a dc voltage supplied from a dc power supply for outputting an ac in sine-waveform to a sensor-less dc brush-less motor, and detects a current flowing through a stator winding for determining a position of a rotor, having a permanent magnet, of the sensor-less dc brush-less motor, so that the switching of the dc voltage is controlled.~~

5. (Currently Amended) The driver of claim 4, wherein said driver utilizes ~~the switching is done in~~ three-phase modulation.

6. (Currently Amended) The driver of claim 1, wherein said ~~the~~ driver is mounted to a car air-conditioner.

7. (Currently Amended) The driver of claim 2, wherein said ~~the~~ driver is mounted to a car air-conditioner.

8. (Currently Amended) The driver of claim 3, wherein said ~~the~~ driver is mounted to a car air-conditioner.

9. (Currently Amended) The driver of claim 4, wherein said ~~the~~ driver is mounted to a car air-conditioner.

10. (Currently Amended) The driver of claim 5, wherein said ~~the~~ driver is mounted to a car air-conditioner.

11. (New) The driver of claim 1, wherein said driver controls the dc brush-less motor such that the advancement of the current-phase is reduced when a given length of time passes.

12. (New) The driver of claim 1, wherein the dc brush-less motor is an interior permanent magnet (IPM) motor.